NAME OF PROJECT: D- dimer standard Development
Subcommittee Fibrinolysis

- Person responsible (Chair / Principal Investigator): Colin Longstaff

- Aim / Mandate of the project: To develop an International Standard (IS) for D-dimer

- Methodology (in very brief, not more than 1 paragraph):

  The feasibility of developing a WHO International Standard to be used for harmonising methods for D-dimer determination will be examined. Initially a preliminary collaborative study is planned using a pool of freeze dried plasma containing high levels of D-dimer as a common standard with a range of methods. If successful, a larger pool will be collected and freeze dried which will be included in a definitive study as a candidate IS. A method to quantify D-dimer after complete plasmin digestion of D-dimer fibrin fragments will also be explored as part of this program.

- Inclusion / recruitment criteria (if applicable):

  The core group of experts in the WP have been assembled by common agreement following discussions over several years and will be CL (UK), Carl-Erik Dempfle (De), Ian Jennings (UK), Steve Kitchen (UK), Piet Meijer (NL). The WP is associated with the Fibrinolysis Subcommittee but in addition the chairs of the SSC Subcommittees on DIC, Hemostasis and Malignancy, and Predictive Hemostatic Variables and Cardiovascular disease have all expressed an interest in following the activities of the WP.

- Year of starting:

  The project was discussed at the 2010 Cairo SSC meeting in the Fibrinolysis Subcommittee and presented at the SSC business meeting. Development of a WHO IS has been approved at the meeting of the Expert Committee on Biological Standards at WHO in October 2010. Trial fills and the preliminary study took place in 2010/11.

- Annual report of project: SSC Liverpool 2012

- Year of completion (expected): 2013-2014